

## DAFTAR GAMBAR

|                                                                                                |    |
|------------------------------------------------------------------------------------------------|----|
| Gambar I. 1 Proses Bisnis Eksisting .....                                                      | 2  |
| Gambar I. 2 Jumlah Penggunaan Aktual dan Pencatatan Tahun 2023 .....                           | 4  |
| Gambar I. 3 Fishbone Diagram Permasalahan.....                                                 | 5  |
| Gambar II. 1 Tahapan Pada <i>Waterfall</i> .....                                               | 16 |
| Gambar III. 1 Sistematika Penyelesaian Masalah.....                                            | 23 |
| Gambar IV.1. 1 Proses Bisnis Eksisting .....                                                   | 31 |
| Gambar IV.2. 1 Proses Bisnis Usulan.....                                                       | 41 |
| Gambar IV.4. 1 <i>Entity Relationship Diagram</i> .....                                        | 46 |
| Gambar IV.4. 2 Use Case Diagram.....                                                           | 47 |
| Gambar IV.4. 3 <i>Activity Diagram</i> Proses Penerimaan Material .....                        | 48 |
| Gambar IV.4. 4 <i>Activity Diagram</i> Proses Penimbangan Material .....                       | 49 |
| Gambar IV.4. 5 <i>Activity Diagram</i> Proses Penimbangan Penggunaan Material.....             | 50 |
| Gambar IV.4. 6 <i>Activity Diagram</i> Proses Produksi .....                                   | 51 |
| Gambar IV.4. 7 <i>Activity Diagram</i> Proses Standarisasi Produk.....                         | 52 |
| Gambar IV.4. 8 <i>Activity Diagram</i> Proses <i>Request</i> Pengadaan Material .....          | 53 |
| Gambar IV.4. 9 <i>Activity Diagram</i> Proses Penimbangan Pengiriman Material .....            | 54 |
| Gambar IV.4. 10 <i>Activity Diagram</i> Login.....                                             | 55 |
| Gambar IV.4. 11 <i>Activity Diagram</i> Logout.....                                            | 55 |
| Gambar IV.4. 12 <i>Activity Diagram</i> User Management ( <i>View &amp; Add</i> ) .....        | 56 |
| Gambar IV.4. 13 <i>Activity Diagram</i> User Management ( <i>Edit &amp; Delete</i> ).....      | 56 |
| Gambar IV.4. 14 <i>Activity Diagram</i> Data Material ( <i>View &amp; Add</i> ).....           | 56 |
| Gambar IV.4. 15 <i>Activity Diagram</i> Data Material ( <i>Edit &amp; Delete</i> ) .....       | 57 |
| Gambar IV.4. 16 <i>Activity Diagram</i> Penimbangan Material ( <i>View &amp; Add</i> ).....    | 57 |
| Gambar IV.4. 17 <i>Activity Diagram</i> Penimbangan Material ( <i>Edit &amp; Delete</i> )..... | 58 |
| Gambar IV.4. 18 <i>Activity Diagram</i> Proses Produksi ( <i>View &amp; Add</i> ) .....        | 58 |
| Gambar IV.4. 19 <i>Activity Diagram</i> Proses Produksi ( <i>Edit &amp; Delete</i> ).....      | 59 |
| Gambar IV.4. 20 <i>Activity Diagram</i> Pengadaan Material ( <i>View &amp; Add</i> ) .....     | 59 |
| Gambar IV.4. 21 <i>Activity Diagram</i> Pengadaan Material ( <i>Edit &amp; Delete</i> ) .....  | 60 |
| Gambar IV.4. 22 <i>Activity Diagram</i> Standarisasi Material Produksi .....                   | 60 |
| Gambar IV.4. 23 <i>Activity Diagram</i> Stock Control Material .....                           | 61 |
| Gambar IV.4. 24 <i>Activity Diagram</i> Report .....                                           | 61 |
| Gambar IV.4. 25 Mockup Login .....                                                             | 62 |
| Gambar IV.4. 26 Mockup forget password.....                                                    | 62 |
| Gambar IV.4. 27 Mockup Halaman Dashboard .....                                                 | 63 |
| Gambar IV.4. 28 Mockup User Management .....                                                   | 63 |
| Gambar IV.4. 29 Mockup Menu Tambah User.....                                                   | 64 |
| Gambar IV.4. 30 Mockup Formulir Tambar User .....                                              | 64 |
| Gambar IV.4. 31 Mockup Menu Report .....                                                       | 65 |
| Gambar IV.4. 32 Mockup Menu Material.....                                                      | 66 |
| Gambar IV.4. 33 Mockup Menu Tambah Material.....                                               | 67 |

|                                                                                        |    |
|----------------------------------------------------------------------------------------|----|
| Gambar IV.4. 34 <i>Mockup</i> Formulir Tambah Material .....                           | 67 |
| Gambar IV.4. 35 <i>Mockup</i> Menu Transaksi .....                                     | 68 |
| Gambar IV.4. 36 <i>Mockup</i> Menu Penimbangan Material Produksi .....                 | 69 |
| Gambar IV.4. 37 <i>Mockup</i> Menu Material Masuk .....                                | 69 |
| Gambar IV.4. 38 <i>Mockup</i> Menu Tambah Material Masuk .....                         | 70 |
| Gambar IV.4. 39 <i>Mockup</i> Formulir Tambah Material Masuk .....                     | 71 |
| Gambar IV.4. 40 <i>Mockup</i> Menu Penggunaan Material .....                           | 71 |
| Gambar IV.4. 41 <i>Mockup</i> Menu Tambah Penggunaan Material .....                    | 72 |
| Gambar IV.4. 42 <i>Mockup</i> Formulir Tambah Penggunaan Material .....                | 73 |
| Gambar IV.4. 43 <i>Mockup</i> Menu Penimbangan Material Warehouse .....                | 73 |
| Gambar IV.4. 44 <i>Mockup</i> Menu Request Material Produksi .....                     | 74 |
| Gambar IV.4. 45 <i>Mockup</i> Menu Tambah Data Penimbangan Material Produksi .....     | 75 |
| Gambar IV.4. 46 <i>Mockup</i> Formulir Tambah Data Penimbangan Material Produksi ..... | 75 |
| Gambar IV.4. 47 <i>Mockup</i> Proses Produksi .....                                    | 76 |
| Gambar IV.4. 48 <i>Mockup</i> Standarisasi Produk .....                                | 77 |
| Gambar IV.4. 49 Formulir Tambah Data Proses Produksi .....                             | 77 |
| Gambar IV.4. 50 <i>Mockup</i> Standarisasi Material Produksi .....                     | 78 |
| Gambar IV.4. 51 <i>Mockup</i> Menu <i>Monitoring</i> .....                             | 79 |
| Gambar IV.4. 52 <i>Mockup</i> Menu <i>Stock Control Material</i> .....                 | 79 |
| Gambar IV.4. 53 <i>Mockup</i> Menu Data Penggunaan Material .....                      | 80 |
| Gambar IV.4. 54 <i>Mockup</i> Data Perhitungan <i>Stock Control Material</i> .....     | 80 |
| Gambar IV.4. 55 <i>Mockup</i> Menu Pengadaan Material .....                            | 81 |
| Gambar IV.4. 56 <i>Mockup</i> Pengadaan Material .....                                 | 82 |
| Gambar IV.4. 57 Formulir Tambah Data Pengadaan Material .....                          | 82 |
| Gambar IV.4. 58 <i>Mockup</i> Menu <i>Profile</i> .....                                | 83 |
| Gambar IV.4. 59 Halaman <i>Login</i> .....                                             | 84 |
| Gambar IV.4. 60 Halaman <i>Forgot Password</i> .....                                   | 84 |
| Gambar IV.4. 61 Halaman <i>Dashboard</i> .....                                         | 85 |
| Gambar IV.4. 62 <i>User Management</i> .....                                           | 86 |
| Gambar IV.4. 63 Opsi Tambah User .....                                                 | 86 |
| Gambar IV.4. 64 Formulir Tambah <i>User</i> .....                                      | 87 |
| Gambar IV.4. 65 Menu <i>Report</i> .....                                               | 87 |
| Gambar IV.4. 66 Menu Material .....                                                    | 88 |
| Gambar IV.4. 67 Opsi Tambah Material .....                                             | 88 |
| Gambar IV.4. 68 Formulir Tambah Material .....                                         | 89 |
| Gambar IV.4. 69 Menu Transaksi .....                                                   | 89 |
| Gambar IV.4. 70 Menu Penimbangan Material Produksi .....                               | 90 |
| Gambar IV.4. 71 Menu Material Masuk .....                                              | 90 |
| Gambar IV.4. 72 Opsi Tambah Material Masuk .....                                       | 91 |
| Gambar IV.4. 73 Formulir Tambah Material Masuk .....                                   | 91 |
| Gambar IV.4. 74 Menu Penggunaan Material .....                                         | 92 |

|                                                                          |     |
|--------------------------------------------------------------------------|-----|
| Gambar IV.4. 75 Opsi Tambah Penggunaan Material .....                    | 92  |
| Gambar IV.4. 76 Formulir Tambah Penggunaan Material .....                | 93  |
| Gambar IV.4. 77 Menu Penimbangan Material <i>Warehouse</i> .....         | 93  |
| Gambar IV.4. 78 Menu <i>Request</i> Material Produksi .....              | 94  |
| Gambar IV.4. 79 Opsi Tambah Data Penimbangan Material Produksi .....     | 95  |
| Gambar IV.4. 80 Formulir Tambah Data Penimbangan Material Produksi ..... | 95  |
| Gambar IV.4. 81 Proses Produksi .....                                    | 96  |
| Gambar IV.4. 82 Standarisasi Produk .....                                | 96  |
| Gambar IV.4. 83 Formulir Tambah Proses Produksi .....                    | 97  |
| Gambar IV.4. 84 Menu <i>Monitoring</i> .....                             | 97  |
| Gambar IV.4. 85 Menu <i>Stock Control</i> Material .....                 | 98  |
| Gambar IV.4. 86 Menu Data Penggunaan Material .....                      | 98  |
| Gambar IV.4. 87 Data Perhitungan <i>Stock Control</i> Material .....     | 99  |
| Gambar IV.4. 88 Menu Pengadaan Material .....                            | 99  |
| Gambar IV.4. 89 Formulir Tambah Pengadaan Material .....                 | 100 |
| Gambar IV.4. 90 Menu <i>Profile</i> .....                                | 100 |